



Test Report issued under the responsibility of:



<b>TEST REPORT</b> <b>IEC 62368-1</b> <b>Audio/video, information and communication technology equipment</b> <b>Part 1: Safety requirements</b>	
<b>Report Number</b> .....	<b>CN22VZE1 001</b>
<b>Date of issue</b> .....	<b>2022-Mar-21</b>
<b>Total number of pages</b> .....	<b>89</b>
<b>Name of Testing Laboratory preparing the Report</b> .....	<b>TÜV Rheinland (Shenzhen) Co., Ltd.</b>
<b>Applicant's name</b> .....	<b>TPV Electronics (Fujian) Co., Ltd.</b>
<b>Address</b> .....	<b>Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian, P.R. China</b>
<b>Test specification:</b>	
<b>Standard</b> .....	<b>IEC 62368-1:2014</b>
<b>Test procedure</b> .....	<b>CB Scheme</b>
<b>Non-standard test method</b> .....	<b>N/A</b>
<b>TRF template used</b> .....	<b>IECEE OD-2020-F1:2020, Ed.1.3</b>
<b>Test Report Form No.</b> .....	<b>IEC62368_1D</b>
<b>Test Report Form(s) Originator</b> ..	<b>UL(US)</b>
<b>Master TRF</b> .....	<b>Dated 2021-02-04</b>
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<b>Test Item description</b> .....		LCD MONITOR (LED backlight)
<b>Trade Mark(s)</b> .....		AOC
<b>Manufacturer</b> .....		Same as applicant
<b>Model/Type reference</b> .....		Q27B3, Q27*****, 27B3H, 27***** (* can be 0-9, A-Z, a-z, -, \, /, + or blank for marketing purpose only, no technical difference.)
<b>Ratings</b> .....		I/P: 100-240V~, 50/60Hz, 1.5A
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	TÜV Rheinland (Shenzhen) Co., Ltd.
<b>Testing location/ address</b> .....		1601-1604, 17-18F, Tower A Building 2, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Street, Xili Community, Shenzhen 518052 Nanshan District, China
<b>Tested by (name, function, signature)</b> .....		Solina Zhao Project Engineer 
<b>Approved by (name, function, signature)</b> .....		Anderson Wang Technical Reviewer 
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> .....		
<b>Approved by (name, function, signature)</b> .....		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> .....		
<b>Witnessed by (name, function, signature)</b> .....		
<b>Approved by (name, function, signature)</b> .....		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3 :</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> .....		
<b>Witnessed by (name, function, signature)</b> .....		
<b>Approved by (name, function, signature)</b> .....		
<b>Supervised by (name, function, signature) ... :</b>		

**List of Attachments (including a total number of pages in each attachment):**

- Photo documentation (7 Pages)
- National Differences (33 Pages)
- Other National Requirements (2 Pages)
- Measurement Section (8 Pages)

**Summary of testing:****Tests performed (name of test and test clause):**

name of test	test clause number
Classification of electrical energy sources	5.2
Accessibility to electrical energy sources and safeguards (Accessibility test)	5.3.2
Maximum operating temperature test (Heating test)	5.4.1.4, 6.3.2, 9.0, B.2.6
Determination of working voltage	5.4.1.8
Ball pressure test	5.4.1.10.3
Minimum Clearances/Creepage distance	5.4.2, 5.4.3
Humidity test	5.4.8
Electric strength test	5.4.9
Safeguards against capacitance discharge test	5.5.2.2
Resistance of the protective bonding system (Ground continuity test)	5.6.6.2
Earthed accessible conductive part test	5.7.2.2, 5.7.4
Electrical Power Source (PS) measurements for classification	6.2.2
Wall or ceiling mount loading test	8.7
Input test	Annex B.2.5
Simulated abnormal operating and single fault conditions	Annex B.3, B.4
Test for permanence of markings	Annex F.3.10
Safeguards against entry of foreign object	Annex P.2.2
Limited power source test (LPS)	Annex Q.1
Steady force test, 10N, 30N, 250N	Annex T.2, T.3, T.5
Enclosure impact test	Annex T.6
Stress relief test	Annex T.8

**Testing location:**

All tests as described in Test Case and Measurement Sections were performed at the laboratory described on page 2.

The EUT passed the test.

**Summary of compliance with National Differences (List of countries addressed):**

**List of countries addressed:**

EU Group Differences, EU Special National Conditions, CA, DK, IT, JP, US

Explanation of used codes: CA=Canada, DK=Denmark, IT=Italy, JP=Japan, US=United States of America

**The product fulfils the requirements of EN 62368-1:2014+ A11:2017 and BS EN 62368-1:2014+ A11:2017**

For National Differences see corresponding Attachment.

**Statement concerning the uncertainty of the measurement systems used for the tests**

Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

**Procedure number, issue date and title:**

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

Statement not required by the standard used for type testing

**Copy of marking plate:**

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



**AOC** LCD MONITOR (LED backlight)

Product No.: Q27B3MA  
 Model No.: Q27B3  
 Power Rating: 100-240V~ 50/60Hz 1.5A

**UK CA** **TÜV Rheinland** **CE**

**HDMI FC**

AOC International Europe B.V.  
 Amstelgebouw, 6th floor  
 Prins Bernhardplein 200  
 1097 JB Amsterdam  
 The Netherlands

**Warning: Shock Hazard, Do Not Open.**  
 Pour éviter une électrocution, ne retirez pas le couvercle!

Laitte on liitettävä suojakoskettimilla varustettuun pistorasiaan  
 Apparatet må tilkoples jordet stikkontakt  
 Apparaten skall anslutas till jordat uttag  
 Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord

For applicable power supplies see user manual  
 Voir le manuel d'utilisateur pour les courants d'alimentation applicables  
 CAN ICES-003(B)/NMB-003(B)  
 www.aoc.com Made in China  
 Envision Peripherals, Inc.  
 490 N McCarthy Blvd, Suite #120  
 Milpitas, CA 95035  
 USA  
 H40G027N-815-XXX XXP

**RoHS** **ErC**



XXXXXXXXXXXXXXXXXX

Note: All models rating label are similar except for type designation. Above labels are representing the other models.

TEST ITEM PARTICULARS:	
Classification of use by .....	<input checked="" type="checkbox"/> Ordinary person <input type="checkbox"/> Instructed person <input type="checkbox"/> Skilled person <input checked="" type="checkbox"/> Children likely to be present
Supply Connection .....	<input checked="" type="checkbox"/> AC Mains <input type="checkbox"/> DC Mains <input type="checkbox"/> External Circuit - not Mains connected - <input type="checkbox"/> ES1 <input type="checkbox"/> ES2 <input type="checkbox"/> ES3
Supply % Tolerance .....	<input checked="" type="checkbox"/> +10%/-10% <input type="checkbox"/> +20%/-15% <input type="checkbox"/> + ____% / - ____% <input type="checkbox"/> None
Supply Connection – Type .....	<input checked="" type="checkbox"/> pluggable equipment type A - <input type="checkbox"/> non-detachable supply cord <input checked="" type="checkbox"/> appliance coupler <input type="checkbox"/> direct plug-in <input type="checkbox"/> mating connector <input type="checkbox"/> pluggable equipment type B - <input type="checkbox"/> non-detachable supply cord <input type="checkbox"/> appliance coupler <input type="checkbox"/> permanent connection <input type="checkbox"/> mating connector <input type="checkbox"/> other: _____
Considered current rating of protective device as part of building or equipment installation .....	<u>20</u> A; Installation location: <input checked="" type="checkbox"/> building; <input type="checkbox"/> equipment
Equipment mobility.....	<input checked="" type="checkbox"/> movable <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input type="checkbox"/> stationary <input type="checkbox"/> for building-in <input type="checkbox"/> direct plug-in <input type="checkbox"/> rack-mounting <input checked="" type="checkbox"/> wall-mounted
Over voltage category (OVC) .....	<input type="checkbox"/> OVC I <input checked="" type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input type="checkbox"/> other: _____
Class of equipment .....	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Class II with functional earthing <input type="checkbox"/> Not classified
Access location .....	<input type="checkbox"/> restricted access area <input checked="" type="checkbox"/> N/A
Pollution degree (PD) .....	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
Manufacturer's specified maximum operating ambient .....	<u>40</u> °C
IP protection class .....	<input checked="" type="checkbox"/> IPX0 <input type="checkbox"/> IP ____
Power Systems .....	<input checked="" type="checkbox"/> TN <input type="checkbox"/> TT <input type="checkbox"/> IT - ____ V <sub>L-L</sub> ; <input type="checkbox"/> dc mains <input type="checkbox"/> N/A
Altitude during operation (m) .....	<input type="checkbox"/> 2000 m or less <input checked="" type="checkbox"/> <u>5000</u> m
Altitude of test laboratory (m) .....	<input checked="" type="checkbox"/> 2000 m or less <input type="checkbox"/> ____ m
Mass of equipment (kg) .....	<input checked="" type="checkbox"/> Approx. 4.27kg (with base) Base weight: 0.44kg